SRIRAM KOLLA

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CAREER OBJECTIVE:

Enthusiastic and detail-oriented MCA student with a strong foundation in data analytics, machine learning, web development, and cybersecurity. Eager to apply programming and problem-solving skills to contribute to innovative tech solutions in a dynamic organization. Committed to continuous learning and growth while supporting the development of secure, high-performance applications.

INTERNSHIPS:

Data Analytics Virtual Internship |Pantech E-Learning | July to August -2024

- Developed foundational skills in data-driven decision-making and data use for business insights and reporting.

Web Desing Virtual Internship |TBN Software Solutions | April to July 2023

- Gained hands-on web design experience through real-time projects, building a portfolio of functional and visually appealing websites.

TECHNICAL SKILLS:

- **Languages:** Python, JavaScript, HTML, CSS, SQL
- **Frameworks:** Django, Bootstrap
- **Database Tools**: MySQL, DBMS
- **Core Skills**: Data Structures & Algorithms, Git

EDUCATION:

- Master of Computer Applications (MCA) at KL University, Vijayawada - CGPA: 9.1/10 (2025)
- Bachelor of Science in Computer Science at Sri Gowthami Degree College, Narsapur - CGPA: 7.36/10(2023)

PROJECTS:

1. Human Activity Recognition Web App Using Google Gemini AI

Objective:

- To develop a web application that detects and describes human actions from uploaded images and videos using Google's AI-powered vision-language model.

Data Processing:

- Used OpenCV to extract key frames from video uploads.
- Converted frames to image format for AI-based analysis.
- Managed file uploads and session data using Django.

Model Used:

- Integrated Google Gemini 1.5 Flash (Generative Model API) to analyze images and generate text-based descriptions of human activities.
- Used frame-wise inference to interpret actions and summarize video content.

Key Features:

- Built with Python and Django for full-stack development.
- Enabled image and video upload, real-time activity recognition, and result display.
- Stored user activity results in the database using Django models.
- Developed a clean user interface for login, upload, and viewing prediction summaries.

2. Stress Prediction Project Overview

Objective:

- The aim of this project is to build a machine learning model to predict stress levels from textual data. The project involves analyzing user inputs and categorizing them as either stressful or non-stressful based on sentiment.

Data Processing:

- The data is preprocessed using natural language processing (NLP) techniques, including tokenization, stop word removal, and vectorization.
- The Count Vectorizer is used to transform text into a numerical format suitable for machine learning models.

Model Used:

- A machine learning model, likely a logistic regression classifier, was trained using the
- processed data.
- The model was evaluated on test data, with an accuracy of 75.18%

Key Features:

- Preprocessing text data using NLP techniques.
- Model prediction using machine learning to classify text as indicating stress or not.
- Simple user input interface to predict stress from custom text entries.

CERTIFICATIONS:

- Artificial Intelligence Foundation certification by Infosys Springboard
- AI Associate certificate in sales forces.
- Introduction to Cybersecurity certificate at Cisco.

ACHIEVEMENTS:

- Secured Second Prize in School-level Drawing Competition, Class 5.